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TECHNICAL MEMORANDUM

TO: Howard Orlean, United States Environmental Protection Agency
Anna Filutowski, United States Environmental Protection Agency

cc: William Ernst – The Boeing Company

FROM: Amy Essig Desai, Project Scientist
Peter Jewett, Principal

DATE: May 7, 2003

RE: GROUNDWATER ANALYTICAL RESULTS
JORGENSEN FORGE CORPORATION
8531 EAST MARGINAL WAY SOUTH
SEATTLE, WASHINGTON
FARALLON PN: 831-003

Farallon Consulting, L.L.C. (Farallon), in cooperation with Anchor Environmental, L.L.C. (Anchor), collected groundwater and light nonaqueous-phase liquid (LNAPL) samples from select monitoring wells on April 10 and 11, 2003, at the Jorgensen Forge Facility, located 8531 East Marginal Way South, in Seattle, Washington (the Site). The groundwater samples were collected from monitoring wells MW-5, MW-6, MW-7, MW-13, MW-15, MW-24, MW-25, MW-31, MW-33, MW-36, JF02A, and JF03A using low-flow sampling procedures. Farallon also collected pH, conductivity, turbidity, dissolved oxygen, oxygen reduction potential, and temperature readings from each monitoring well sampled. Farallon collected LNAPL samples from monitoring wells MW-19 and MW-33.

The groundwater and LNAPL samples were analyzed for polychlorinated biphenyls (PCBs) using EPA Method 8082. The analytical results did not detect any concentrations of PCBs above the laboratory practical quantitation limit in any of the samples. Analytical results of the groundwater and LNAPL samples are summarized on Tables 1 and 2, respectively.

Attachments: Table 1, Groundwater Analytical Results
Table 2, LNAPL Analytical Results

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Table 1
Groundwater Analytical Results
Jorgensen Forge Facility
8531 East Marginal Way South
Seattle, Washington
Farallon PN: 831-003

Sample Identification	Date Sampled ¹	Groundwater Analytical Results (micrograms per liter)						
		Aroclor 1016 ²	Aroclor 1221 ²	Aroclor 1232 ²	Aroclor 1242 ²	Aroclor 1248 ²	Aroclor 1254 ²	Aroclor 1260 ²
MW-5	4/10/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MW-6	4/11/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MW-7	4/11/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MW-15	4/11/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MW-24	4/11/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MW-25	4/11/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MW-31	4/11/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MW-36	4/11/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
JFO2A	4/10/02	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
JFO3A	4/10/02	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
QA-041003-01 ³	4/10/03	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
MTCA Method A Cleanup Levels for Groundwater ⁴		0.1						

NOTE:

< denotes less than laboratory practical quantitation limit

¹Samples collected by Farallon Consulting, L.L.C.

²Analyzed by EPA Method 8082.

³Quality Control Duplicate sample of JFO3A

⁴Model Toxic Control Act Chapter 173-340 WAC.

Table 2
LNAPL Analytical Results
Jorgensen Forge Facility
8531 East Marginal Way South
Seattle, Washington
Farallon PN: 831-003

Sample Identification	Date Sampled ¹	LNAPL Analytical Results (milligrams per kilogram)					
		Aroclor 1016 ²	Aroclor 1221 ²	Aroclor 1232 ²	Aroclor 1242 ²	Aroclor 1248 ²	Aroclor 1254 ²
MW-19-LNAPL	4/11/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-33-LNAPL	4/10/03	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99

NOTE:

LNAPL - Light Nonaqueous Phase Liquid

< denotes less than laboratory practical quantitation limit

¹Samples collected by Farallon Consulting, L.L.C.

²Analyzed by EPA Method 8082.